

**Strabane Mills
Co. Tyrone**



Displacement of around 400,000 litres of oil annually using locally-derived wood fuel

Strabane Mills is an animal feed mill requiring 2,000 kg/hour of steam up to 10bar operating in 6 day shifts 24 hours per day during the winter months.

The system uses locally derived wood fuel from sawmill residues and short rotation coppice. This displaces approximately 400,000 litres of oil annually, which saves around 1100 tonnes of CO2.

A 1650kW Binder step-grate wood chip steam boiler system has been designed and installed by Wood Energy Ltd. It can use a wide range of wood chip fuels up to 55% moisture content.

The Binder boiler has a fully automatic cleaning system for the heat exchanger tubes, exhaust gas recirculation to allow the combustion temperature to be controlled to avoid clinkering and an exhaust gas cyclone to remove fly ash.

Name of project	Strabane Mills
Location	Co. Tyrone
Boiler Type	Binder RRR/USRF 1650 Steam
Maximum rated output	2000 kg/hr (1.65MW)
Wood fuel specification	Wood chip fuel
Maximum moisture content	55%
Maximum particle size	G100
Wood fuel storage volume	200 m3
Commissioned	March 2006

